Abstract

In a numerical control system of the invention, a motor drive power converter 1a comprises input current determination means 12 for comparing an input current found by input current detection means 11 with an allowable current value with respect to less-than, equal-to, or greater-than relation, and acceleration/deceleration command change signal output means 13 for outputting a control signal to a drive unit 2a, 3a based on the determination result of the input current determination means 12. If the input current determination means 12 determines that input current Ii > allowable current value I0, acceleration/deceleration command generation means 15a, 15b of the drive unit 2a, 3a changes an acceleration/deceleration command (lessens the inclination of a speed command), thereby lowering the input current Ii.